

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20020080256"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:16
L2	1	396/268.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:32
L3	0	396/270.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:32
L4	0	396/274.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:32
L5	9	396/73.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:33
L6	9	396/75.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:33
L7	2	348/344.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:33
L8	241	455/556.1.ccls. and @pd> = "20090320"	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 15:34
L9	9	("20020160724"   "20030109232"   "20040012701"   "20050047770"   "6266090"   "6532035"   "6535239"   "6992699"   "7418280").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/23 16:14
S1	19	((OSMO) near2 (SCHRODERUS)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 10:01
S2	1	S1 and (rotatable).dm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 10:02
S3	1	"6532035".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 10:04
S4	1	"6535239".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 10:05
S5	2	"20030109232"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 10:05
S6	79	396/274.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:44
S7	73	396/270.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:44
S8	117	396/268.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:44
S9	1196	396/429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:45
S10	130	396/73.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:45

S11	87	396/75.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/09 14:45
S12	86	348/344.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 08:48
S13	935	348/14.01.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 08:48
S14	423	348/14.02.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 08:48
S15	332	348/376.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 08:48
S16	1756	455/556.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 08:49
S17	271	396/351.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 09:11
S18	1196	396/429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:12
S19	1196	S18	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:12
S20	26	(S13 S14 S15 S16 S17 S18) and ((dual or multiple or two) adj2 aperture)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:14
S21	230	(S13 S14 S15 S16 S17 S18) and (((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:27
S22	30	S21 and (((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:28
S23	0	((dual or multiple or two) adj2 aperture) same (((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable)) same (((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 10:53
S24	7	((dual or multiple or two) adj2 aperture) and (((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable)) and (((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:02

S25	0	((dual or multiple or two) adj2 aperture) and (((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable)) and (((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 11:03
S26	39379	((dual or multiple or two) adj2 aperture)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:04
S27	16151	((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:04
S28	179828	((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit)	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:04
S29	278	S26 and S27 and "25"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:05
S30	7	S26 and S27 and S28	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:06
S31	14	("4538181"   "6177950"   "6339508").PN. OR ("6532035").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:07
S32	66	("2003/0109232").URPN.	USPAT	OR	ON	2008/06/10 11:07
S33	13	("2004/0110541").URPN.	USPAT	OR	ON	2008/06/10 11:07
S34	30	("3820148"   "3881675"   "4262426"   "5200913"   "5414444"   "5491507"   "5506911"   "5541609"   "5550754"   "5586183"   "5719936").PN. OR ("6751473").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:07
S35	0	("2005/0013606").URPN.	USPAT	OR	ON	2008/06/10 11:07
S36	29	("2006/0105806").URPN.	USPAT	OR	ON	2008/06/10 11:07
S37	0	("2006/0140617").URPN.	USPAT	OR	ON	2008/06/10 11:07
S38	0	("2006/0140617").URPN.	USPAT	OR	ON	2008/06/10 11:07
S39	8	("5259019"   "5491507"   "5832080").PN. OR ("7133691").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:07

S40	13	("5414444"   "5491507"   "6069648"   "6532035"   "6791597"   "6812954"   "6836669"   "6876379"   "6904298").PN. OR ("7184092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:07
S41	33	("20010036845"   "20020001467"   "20040204126"   "20040242289"   "4998318"   "5612732"   "5815759"   "5920061"   "6266090"   "6285833"   "6370362"   "6389233"   "6812958"   "6832717"   "6832724"   "6832729"   "6876379").PN. OR ("7210629").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:07
S42	0	("2007/0132835").URPN.	USPAT	OR	ON	2008/06/10 11:07
S43	0	("2007/0140685").URPN.	USPAT	OR	ON	2008/06/10 11:08
S44	8	("20030044001"   "20030109232"   "20040012701"   "20040023684"   "20040090552"   "6476289"   "6957083"   "7184092").PN. OR ("7382412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 11:08
S45	1	"20020080256"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:04
S46	6166	((dual or multiple or two) adj2 aperture)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 15:05
S47	4625	((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 15:05
S48	68065	((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 15:05
S49	0	S46 and S47 and S48	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:05
S50	1	"20020150724"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:50
S51	1	"20020160724"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 15:50
S52	16151	((image adj1 sensor) or camera or lens) adj2 (rotate or rotatable or movable))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:09

S53	179828	((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:09
S54	654	S52 and S53	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:09
S55	134	S54 and ((multiple or dual or two) adj2 (aperture or opening or lens))	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:11
S56	0	S46 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:15
S57	0	S47 and S48	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/10 17:16
S58	83822	((cell or cellular) adj1 (phone or telephone or device or unit)) or (portable adj2 information adj2 unit) or (portable adj2 information))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 17:16
S59	68065	S48 and S58	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 17:16
S60	49	S47 and S58	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/10 17:17
S61	71	cell phone zoom lens	US-PGPUB; USPAT; USOCR	SAME	ON	2008/06/11 08:11
S62	20	cell phone zoom lens	EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/06/11 08:12
S63	1	"20050047770"	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/11 13:19
S64	1	"10575039"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/03 15:39
S65	2	"20040245342"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/03 16:20
S66	2	"20050200740"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/03 16:21
S67	4	("7418280" "7411627" "6922212" "5903706").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/04 12:27
S68	5	396/268.ccls. and @pd> = "20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:50
S69	1	396/270.ccls. and @pd> = "20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:50
S70	0	396/274.ccls. and @pd> = "20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:50
S71	1	396/73.ccls. and @pd> = "20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:50
S72	7	396/75.ccls. and @pd> = "20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:50

S73	6	348/344.ccls. and @pd>="20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:51
S74	163	455/556.1.ccls. and @pd>="20080610"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/06 15:51
S75	1	"20020080256"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 17:34
S76	2	"11355129"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 09:45
S77	1	396/268.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:48
S78	3	396/270.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:48
S79	0	396/274.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:48
S80	2	396/73.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:48
S81	8	396/75.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:48
S82	2	348/344.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:49
S83	170	455/556.1.ccls. and @pd>="20081106"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 11:50
S84	6214	rotat\$4 same aperture same (sensor or cod or cmos)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 12:57
S85	2711	(rotat\$4 with (sensor or cod or cmos)) same aperture	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 12:57
S86	278	(rotat\$4 with (sensor or cod or cmos)) same aperture same camera	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 12:58
S87	2	(rotat\$4 with (sensor or cod or cmos)) same aperture same camera same phone	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/20 12:58
S88	23	(rotat\$4 with (sensor or cod or cmos)) same aperture same camera	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/20 13:00

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	1	((two apertures) (image sensor) (rotatable)).clm.	US-PGPUB; USPAT; UPAD	WITH	ON	2009/09/23 16:40
L12	7	((two apertures) (COD or CMOS or sensor) (rotatable)).clm.	US-PGPUB; USPAT; UPAD	WITH	ON	2009/09/23 16:40
L13	3640	((sensor) (rotatable)). clm.	US-PGPUB; USPAT; UPAD	WITH	ON	2009/09/23 16:41
L14	83	((rotatable sensor) (linear or linearly)).clm.	US-PGPUB; USPAT; UPAD	WITH	ON	2009/09/23 16:42

L15	3	((rotatable sensor) (linear or linearly (optics)).cim.	US-PGPUB; USPAT; UPAD	WITH	ON	2009/09/23 16:42
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**9/23/2009 4:43:04 PM**

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